

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
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TITLE: High polymerization degree polyesters  
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PATENT ASSIGNEE(S): Teijin Ltd.  
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| JP 48007272 | B4   | 19730303 | JP 1968-72258   | 19681004 ← |

AB The d.p. of poly(ethylene terephthalate) (I) [25038-59-9] is increased by polymerization in the presence of 0.001-0.3 mole % (based on acid) Sb compound and a specified amount of diaryl carbonate. Thus, the transesterification product from 250 parts di-Me terephthalate and 166 parts ethylene glycol is heated with 0.06 part antimony trioxide [1309-64-4] and 0.06 part H<sub>3</sub>PO<sub>3</sub> 2.5 hr

at 280.deg./<1 mm, combined with 1 part diphenyl carbonate [102-09-0], heated 30 min at <1 mm, combined with 12.5 parts glycol and 0.06 part Sb<sub>2</sub>O<sub>3</sub>, and heated 70 min in vacuo to give I, inherent viscosity 1.12.